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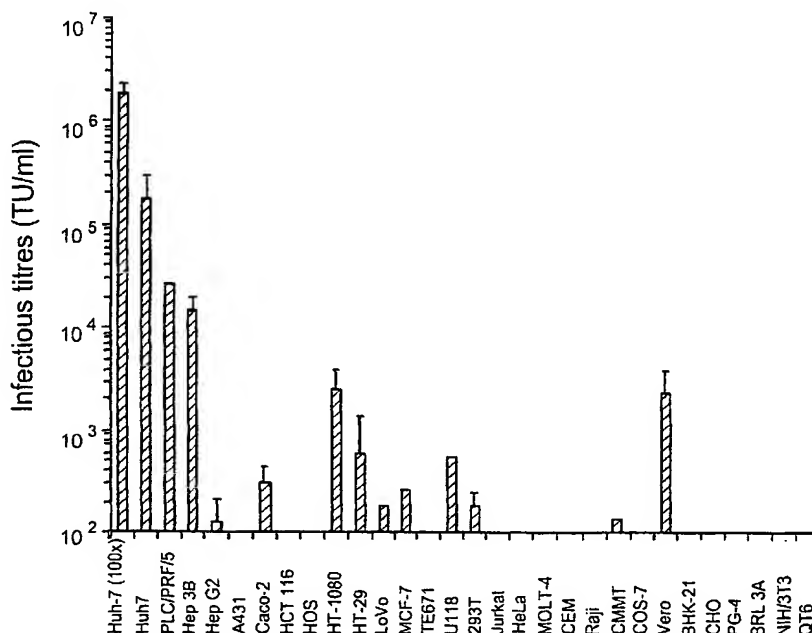
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[Continued on next page]

(54) Title: INFECTIOUS HEPACIVIRUS PSEUDO-PARTICLES CONTAINING FUNCTIONAL E1, E2 ENVELOPE PROTEINS



(57) Abstract: The invention relates to the generation and the use of hepacivirus pseudo-particles containing native functional E1, E2 envelope glycoproteins assembled onto retroviral core particles. These particles are highly infectious and constitute a valid model of hepacivirus virion.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N7/04 C07K14/18 C12Q1/70 C12N15/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, BIOSIS, MEDLINE, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	MATSUURA YOSHIHARU ET AL: "Characterization of pseudotype VSV possessing HCV envelope proteins" VIROLOGY, RAVEN PRESS, NEW YORK, NY, US, vol. 286, no. 2, 1 August 2001 (2001-08-01), pages 263-275, XP002206965 ISSN: 0042-6822 abstract figures 1,4 page 272, column 2	1-45

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	COCQUEREL LAURENCE ET AL: "Topological changes in the transmembrane domains of hepatitis C virus envelope glycoproteins." THE EMBO JOURNAL. ENGLAND 17 JUN 2002, vol. 21, no. 12, 17 June 2002 (2002-06-17), pages 2893-2902, XP002271186 ISSN: 0261-4189 the whole document ---	7-11,26,27
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A	BAUMERT THOMAS F ET AL: "Hepatitis C virus structural proteins assemble into viruslike particles in insect cells" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 72, no. 5, May 1998 (1998-05); pages 3827-3836, XP002167716 ISSN: 0022-538X the whole document ---	1-45
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>HSU MAYLA ET AL: "Hepatitis C virus glycoproteins mediate pH-dependent cell entry of pseudotyped retroviral particles."</p> <p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 100, no. 12, 10 June 2003 (2003-06-10), pages 7271-7276, XP002271187 June 10, 2003 ISSN: 0027-8424 (ISSN print) cited in the application the whole document</p> <p>-----</p>	1-45

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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WO 02070651	A	12-09-2002	CA 2439620 A1	12-09-2002
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